# Iris dataset in R

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# Introduction : Iris Dataset

❖ **This set of data was collected by a botanist – Edgar Anderson.**

❖ **It gives the widths and lengths of the petals and sepals of three species of Iris:**
  - ❖ **Iris Setosa**
  - ❖ **Iris Versicola**
  - ❖ **Iris Virginica**

❖ **The dataset is often used to test statistical techniques which attempt to distinguish different groupings on the basis of measurements.**

❖ **it has total of 150 observation**
  - ❖ **50 samples for each type of species**

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❖ **The iris dataset**

| Sepal Length | Sepal Width | Petal Length | Petal Width |
|:---:|:---:|:---:|:---:|
| 5.1 | 3.5 | 1.4 | 0.2 |
| 4.9 | 3.0 | 1.4 | 0.2 |
| 4.7 | 3.2 | 1.3 | 0.2 |
| 4.6 | 3.1 | 1.5 | 0.2 |
| 5.0 | 3.6 | 1.4 | 0.2 |
| 5.4 | 3.9 | 1.7 | 0.4 |
| 4.6 | 3.4 | 1.4 | 0.3 |
| 5.0 | 3.4 | 1.5 | 0.2 |
| 4.4 | 2.9 | 1.4 | 0.2 |
| 4.9 | 3.1 | 1.5 | 0.1 |
| ⋮ | ⋮ | ⋮ | ⋮ |

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❖ **The iris dataset**



*Iris Setosa*                *Iris Versicolor*                *Iris Virginica*